

ABSTRACT OF THE DISCLOSURE

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3 A coolant transfer machine for an automotive engine includes first and
4 second fluid transfer systems. The first system, operated when the
5 engine is not running, sequentially first removes at least a substantial
6 portion of used coolant from the engine. The first system then collects
7 in a used fluid container the used coolant as the used coolant is being
8 removed and then replaces the removed used coolant with new coolant
9 from a new fluid container. The second system, operated when the
10 engine is running, simultaneously displaces at least a substantial
11 portion of used coolant in the engine with new coolant from the new
12 fluid container and collects the displaced used coolant in the used fluid
13 container. A manually operable switch has a first position that enables
14 operation of the first fluid transfer system and a second position that
15 enables operation of the second fluid transfer system.